Listing of Claims:

Claim 1 (previously presented): A global appliance network system, comprising:

a local smart appliance network, including at least one smart appliance, said smart appliance having an actual network address and a general unique global network address that can map to the actual network address;

a global network agent, including a global server, said global server communicating with said smart appliance using a general addressing scheme identifying in a single message both said smart appliance by said general unique global network address and the instruction to be performed on said smart appliance; and

a communication network interconnecting said local smart appliance network and said global network agent,

wherein said general addressing scheme routes the single message from the global server through the communication network to the smart appliance based on the general unique global network address.

Claim 2 (cancelled)

Claim 3 (cancelled)

Claim 4 (cancelled)

Claim 5 (cancelled)

Claim 6 (original): The global appliance network system of claim 1, wherein said general addressing scheme is a modified version of the Session Initiation Protocol.

Claim 7 (original): The global appliance network system of claim 6, wherein the general address format of said general addressing scheme is Lightweight Directory Access Protocol.

Claim 8 (previously presented): A one-step location-action method for remotely operating a smart appliance in a local smart appliance network from a global agent in a global network, said method comprising the steps of:

the global agent formulating a one-step message that includes a general global address of the smart appliance and the action to be taken by the smart appliance, wherein the smart appliance further includes an actual network address and wherein the general global address can map to the actual network address;

transmitting and routing the one-step message over a communication network to the smart appliance wherein routing over the communication network uses a general addressing scheme that routes the one-step message based on the general global address;

if between the global network and the local smart appliance network there is a fire wall, determining that the global agent is permitted to traverse the firewall; and

unpacking the transmitted one-step message and executing the action to be taken by the smart appliance.

Claim 9 (cancelled)

Claim 10 (previously presented): The one-step location-action method of claim 8, wherein said general addressing scheme utilizes a modified version of the Session Initiation Protocol.

Claim 11 (original): The one-step location-action method of claim 10, wherein said modified version of the Session Initiation Protocol utilizes a Lightweight Directory Access Protocol.